

What is claimed is:

1. A fixing device without screws, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:
 - a first plastic hook;
 - a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and
 - a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place.
- 15 2. The fixing device without screws of claim 1, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.
- 20 3. The fixing device without screws of claim 1, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.
4. The fixing device without screws of claim 1, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.
- 25 5. A fixing device without screws, for fixing in place a fan and a

protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

a first plastic hook;

5 a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and

10 a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place, wherein the plastic fan guard has a first air port and a second air port for respectively radiating heat from the protocol-control-information long card and a hard disk, and wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.

15 6. An assembly, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the assembly comprising:

20 a plastic fixture, for clamping the tail piece of the protocol-control-information long card; and

a plastic fan guard, connected to the plastic fixture, for fixing the fan.

7. The assembly of claim 6, wherein the plastic fixture is a plastic clamp.

25 8. The assembly of claim 8, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-

control-information long card.

9. The assembly of claim 6, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the
5 cavity.

10. The assembly of claim 6, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

11. The assembly of claim 6, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.
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12. A fixing device without screws, for fixing a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:
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a plastic fan guard for fixing the fan; and

a plastic fixture, for clamping the tailpiece of the protocol-control-information long card.
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13. The fixing device of claim 12, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-control-information long card.
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14. The fixing device of claim 12, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

15. The fixing device of claim 14, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.
- 5 16. The fixing device of claim 12, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.